

[Abstract]

A hot-dip plated steel sheet has a plating layer, in which the plating layer contains Al: more than 30.0% and 50.0% or less, Mg: more than 5.0% and 15.0% or less, Si: more than 0.5% and 1.0% or less when Al is more than 30.0% and less than 35.0%,
5 and 0.03% or more and 1.0% or less when Al is 35.0% or more and 50.0% or less, Fe: 0% or more and 5.0% or less, and a remainder consisting of Zn and impurities, and, in an X-ray diffraction pattern of a surface of the plating layer, I_1 obtained from X-ray diffraction peaks of Zn, Al, and $MgZn_2$ is 0.10 or less and I_2 obtained from an X-ray diffraction peak of Al_2O_5Si is 1.05 or more.

10

FIG. 1